

In the claims

Please amend the claims as follows:

BS
Claims 1-10 (Withdrawn)

11. (Currently amended) An isolated polynucleotide encoding a polypeptide ~~according to claim 1~~ characterized as:

- (a) modulating intracellular glutamate transport; and
- (b) interacting with a glutamate transporter protein, wherein the isolated polynucleotide hybridizes under conditions of 0.2x SSC, 0.1% SDS, at 42°C with a polynucleotide encoding a polypeptide having an amino acid sequence as set forth in SEQ ID NO:4.

Claim 12 (Withdrawn)

13. (Currently amended) An isolated polynucleotide selected from the group consisting of:
(a) a polynucleotide encoding a polypeptide having an amino acid sequence as set forth in SEQ ID NO:4;

- (b) a polynucleotide of (a), wherein T can be U;
- (c) a polynucleotide complementary to (a) or (b);
- (d) a polynucleotide having a nucleotide sequence as set forth in SEQ ID NO:3;
- ~~(e) degenerate variants of (a), (b), (c) or (d); and~~
- ~~(f) (e) a fragment of (a), (b), (c), or (d) or (e) having at least 15 base pairs and hybridizes to a polynucleotide encoding a polypeptide as set forth in SEQ ID NO:4.~~

Claims 14-17 (Withdrawn)

18. (Original) An expression vector comprising a polynucleotide of claim 11.

19. (Original) The expression vector of claim 18, wherein the vector is virus-derived.

In re Application of:
Rothstein et al.
Application No.: 09/695,795
Filed: October 23, 2000
Page 7

PATENT
Attorney Docket No.: JHU1650-2

- Cont
35
- 20. (Original) The expression vector of claim 18, wherein the vector is plasmid-derived.
 - 21. (Original) A host cell comprising a vector of claim 18.
 - 22. (Original) A method for producing a polypeptide comprising the steps of:
 - (a) culturing a host cell of claim 21 under conditions suitable for the expression of the polypeptide; and
 - (b) recovering the polypeptide from the host cell culture.

Claims 23-82 (Withdrawn)

83. (Cancel)

Claims 84-88 (Withdrawn)

89. (New) The isolated polynucleotide of claim 11, wherein the polynucleotide encodes a polypeptide comprising a PDZ domain, a regulatory G-protein domain, a pleckstrin homology region, and a proline-rich sequence.

90 (New) The isolated polynucleotide of claim 11, wherein the isolated polynucleotide hybridizes in 0.2% \times SSC, 0.1% SDS, at 42°C with a polynucleotide according to SEQ ID NO:3.

91. (New) The isolated polynucleotide of claim 11, wherein the glutamate transporter protein is EAAT4.